

Data File : VU029520.D
Acq On : 18 Feb 2019 10:50
Operator : JC/SP
Sample : K1494-03RE
Misc : 25.0mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
C0AL4

Quant Time: Feb 19 00:22:03 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMUTR021219WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	220496	5.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	211986	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	112062	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	61616	4.16	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	83.20%
7) Chloroethane-d5	1.68	69	58551	4.47	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	89.40%
11) 1,1-Dichloroethene-d2	2.27	63	105680	3.28	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	65.60%
20) 2-Butanone-d5	4.19	46	147720	47.96	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.92%
24) Chloroform-d	4.64	84	109978	4.67	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.40%
26) 1,2-Dichloroethane-d4	5.31	65	60548	4.82	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	96.40%
32) Benzene-d6	5.34	84	240183	4.71	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	94.20%
36) 1,2-Dichloropropane-d6	6.33	67	73192	4.86	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	97.20%
41) Toluene-d8	7.56	98	240354	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.60%
43) trans-1,3-Dichloropropene-	7.85	79	31296	4.65	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.00%
46) 2-Hexanone-d5	8.31	63	155906	50.33	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	100.66%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	63134	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.86	152	100974	4.88	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	97.60%

Target Compounds

					Qvalue
3) Chloromethane	1.33	50	1756	0.096 ug/L	96
6) Bromomethane	1.63	94	1052	0.085 ug/L	95
8) Chloroethane	1.67	64	1527	0.110 ug/L #	56
10) 1,1,2-Trichloro-1,2,2-trif	2.27	101	1328	0.069 ug/L #	19
12) 1,1-Dichloroethene	2.27	96	1276	0.070 ug/L #	1
13) Acetone	2.32	43	43292	15.471 ug/L	99
15) Methyl Acetate	2.45	43	5159	0.720 ug/L #	48
25) Chloroform	4.67	83	4509	0.155 ug/L	95
30) Cyclohexane	4.98	56	15189	0.605 ug/L	99
35) Methylcyclohexane	6.33	83	17706	0.600 ug/L #	21
37) 1,2-Dichloropropane	6.33	63	8015	0.513 ug/L #	87
38) Bromodichloromethane	6.78	83	2311	0.112 ug/L #	1
39) cis-1,3-Dichloropropene	7.23	75	2318	0.094 ug/L #	62
48) 2-Hexanone	8.37	43	3958	0.603 ug/L #	81
59) 1,2,3-Trichloropropane	11.48	75	11769	1.174 ug/L	92
69) Naphthalene	13.75	128	3143	0.066 ug/L #	74

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_U\DATA\VU021819\
Quantitation Report (Not Reviewed)

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Quant Title : TRACE VOA SOM01.0
QLast Update : Tue Feb 19 00:19:12 2019
Response via : Initial Calibration

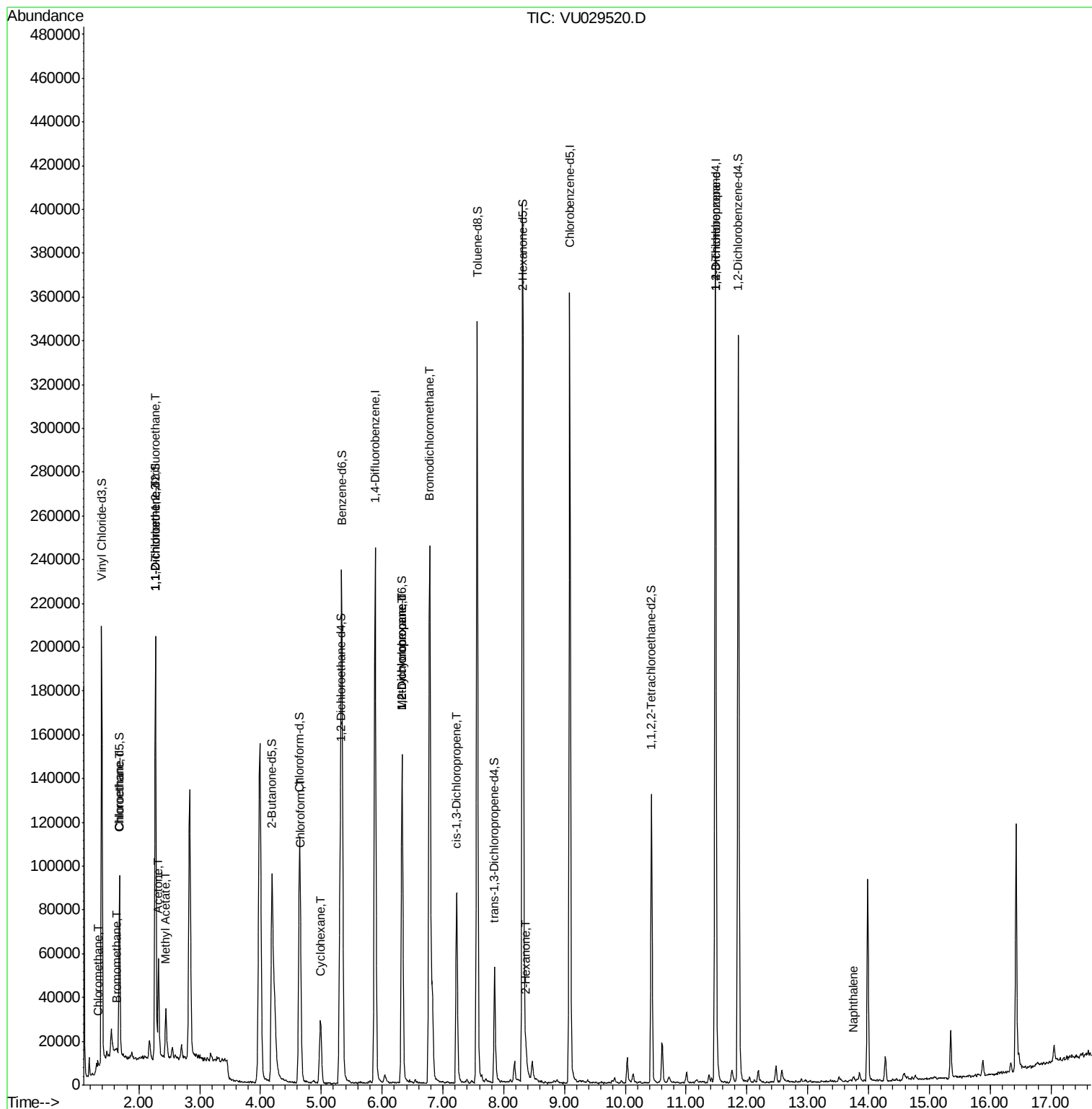
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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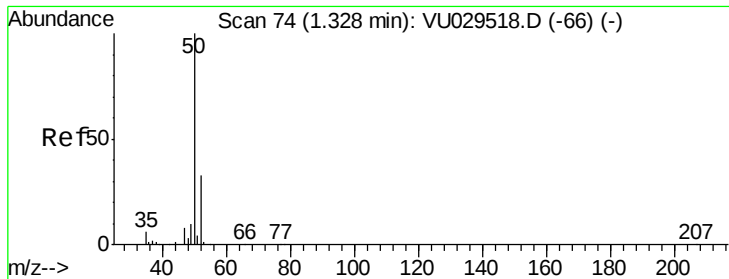
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.096 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

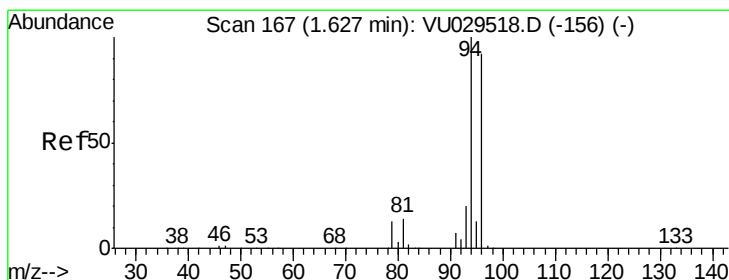
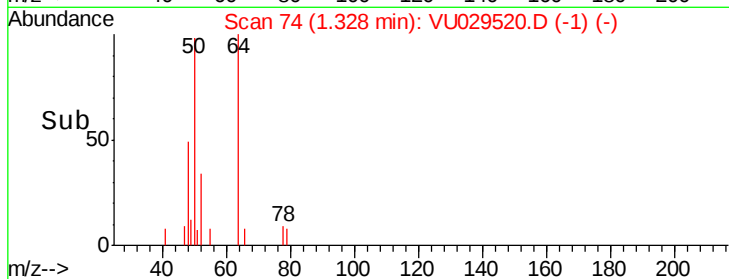
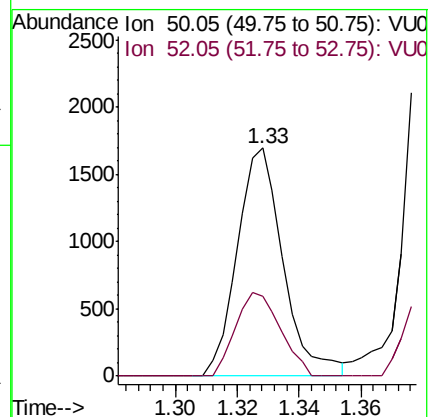
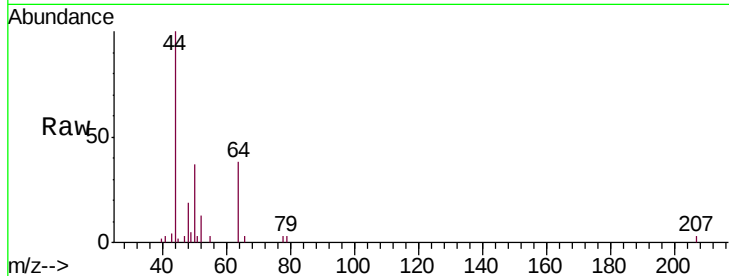
C0AL4

Tgt Ion: 50 Resp: 1756

Ion Ratio Lower Upper

50 100

52 35.0 23.1 42.9



#6

Bromomethane

Concen: 0.085 ug/L

RT: 1.63 min Scan# 169

Delta R.T. 0.01 min

Lab File: VU029520.D

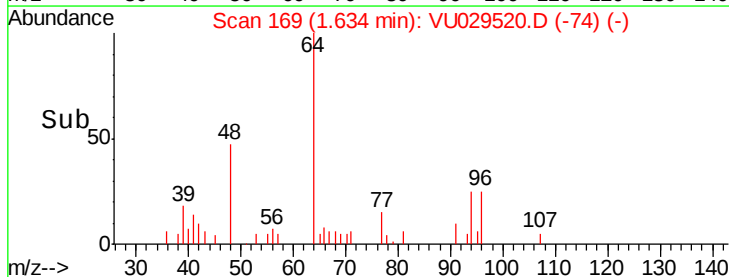
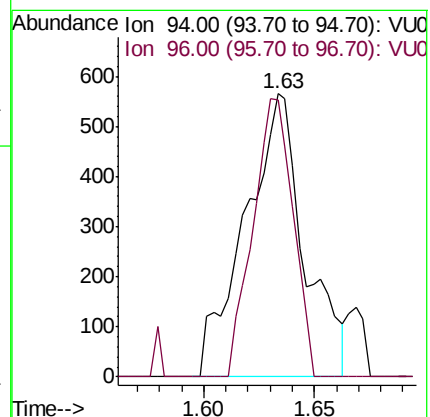
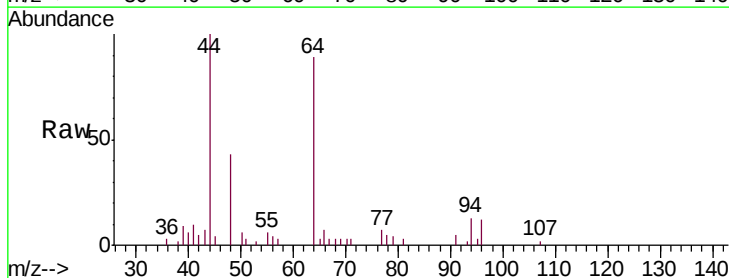
Acq: 18 Feb 2019 10:50

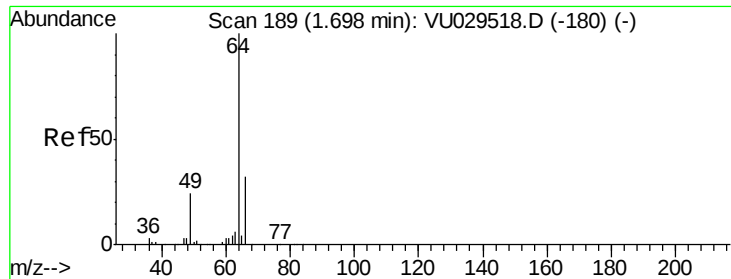
Tgt Ion: 94 Resp: 1052

Ion Ratio Lower Upper

94 100

96 97.9 65.2 121.0





#8

Chloroethane

Concen: 0.110 ug/L

RT: 1.67 min Scan# 180

Delta R.T. -0.03 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

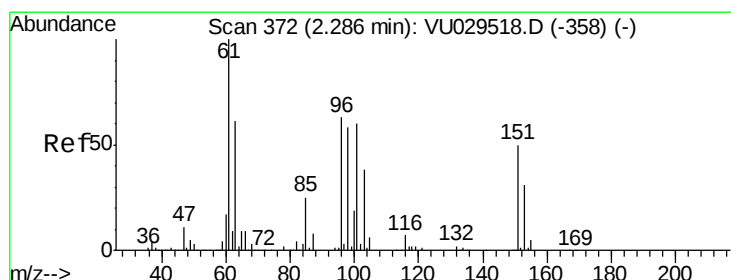
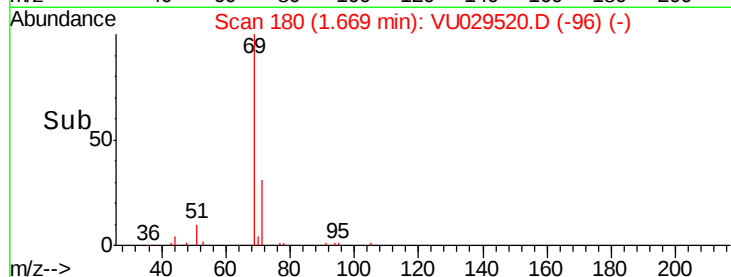
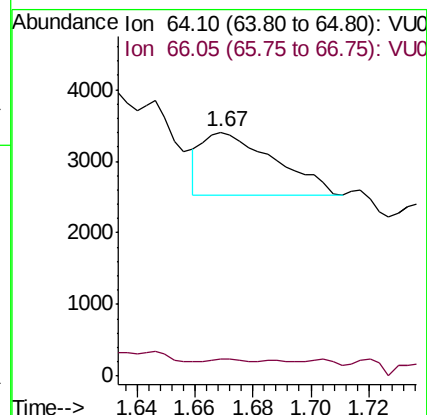
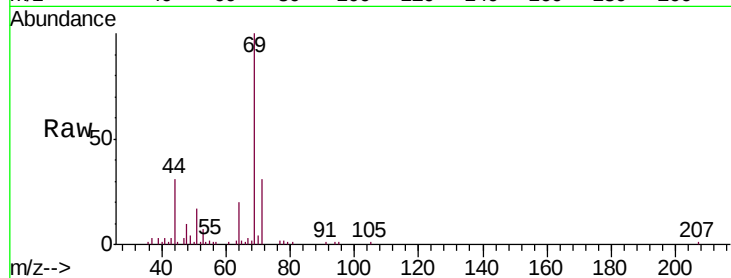
C0AL4

Tgt Ion: 64 Resp: 1527

Ion Ratio Lower Upper

64 100

66 7.2 22.0 40.8#



#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 0.069 ug/L

RT: 2.27 min Scan# 368

Delta R.T. -0.01 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

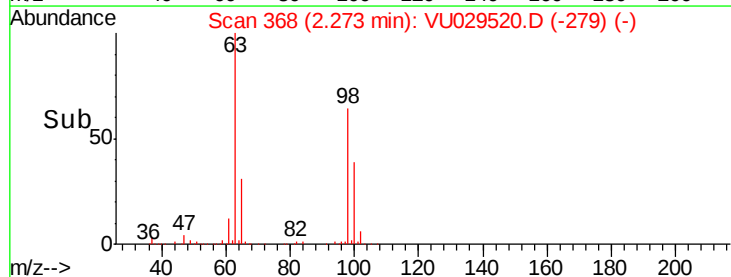
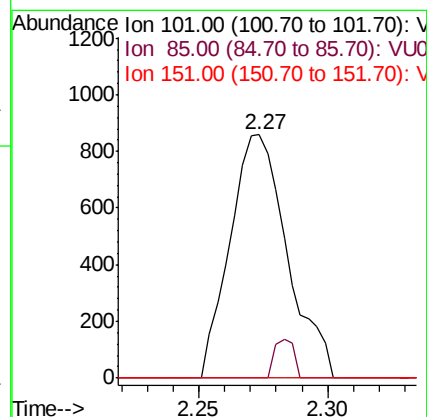
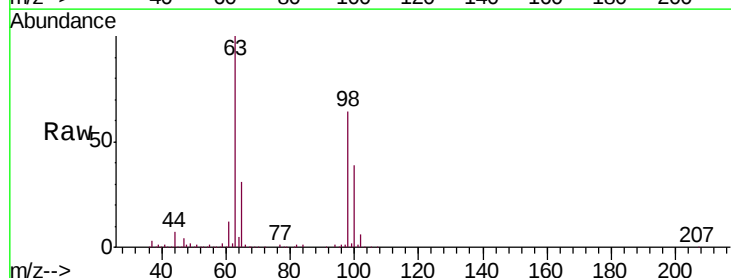
Tgt Ion: 101 Resp: 1328

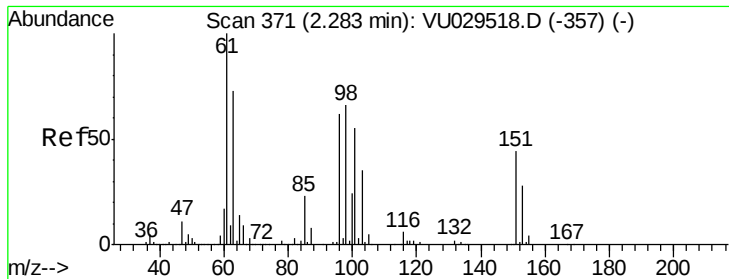
Ion Ratio Lower Upper

101 100

85 5.6 35.1 52.7#

151 0.0 67.0 100.6#





#12

1,1-Dichloroethene

Concen: 0.070 ug/L

RT: 2.27 min Scan# 367

Delta R.T. -0.01 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

C0AL4

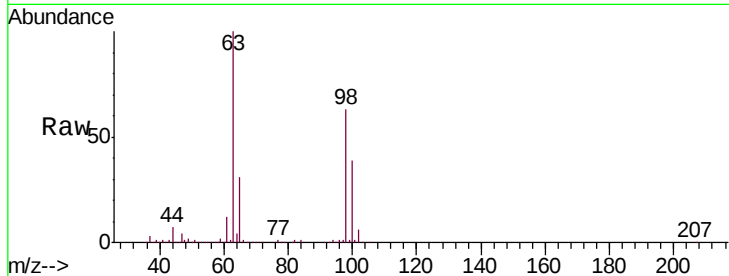
Tgt Ion: 96 Resp: 1276

Ion Ratio Lower Upper

96 100

61 1217.7 115.1 213.7#

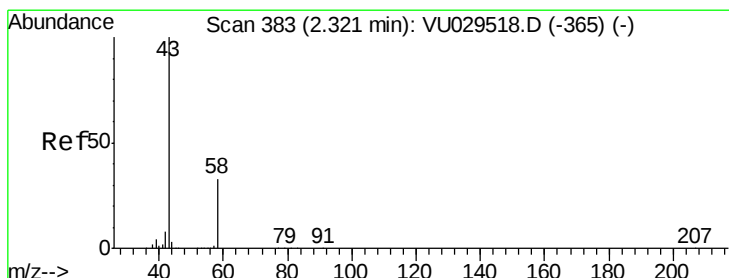
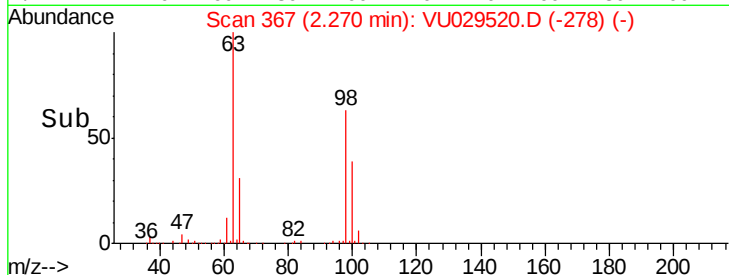
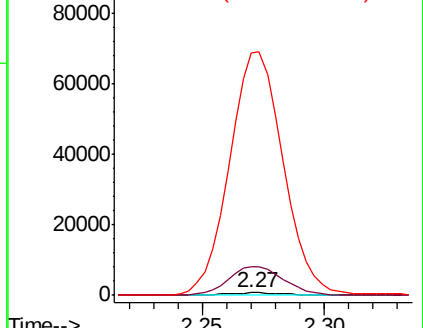
63 10097.2 83.5 155.1#



Abundance Ion 96.00 (95.70 to 96.70): VU0

Ion 61.05 (60.75 to 61.75): VU0

Ion 63.00 (62.70 to 63.70): VU0



#13

Acetone

Concen: 15.471 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VU029520.D

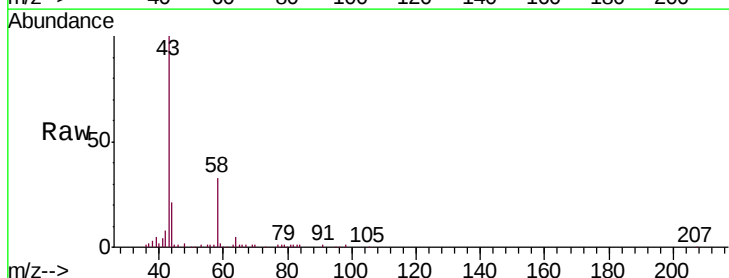
Acq: 18 Feb 2019 10:50

Tgt Ion: 43 Resp: 43292

Ion Ratio Lower Upper

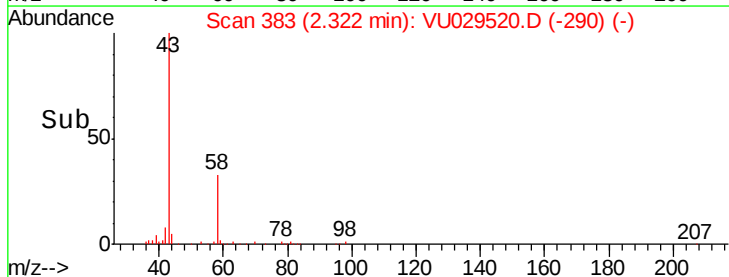
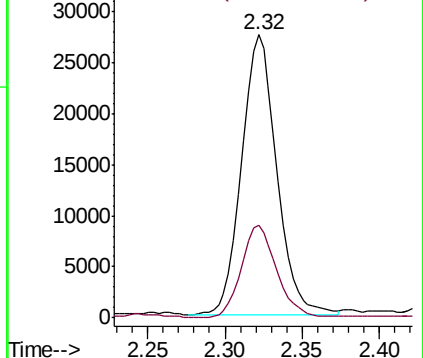
43 100

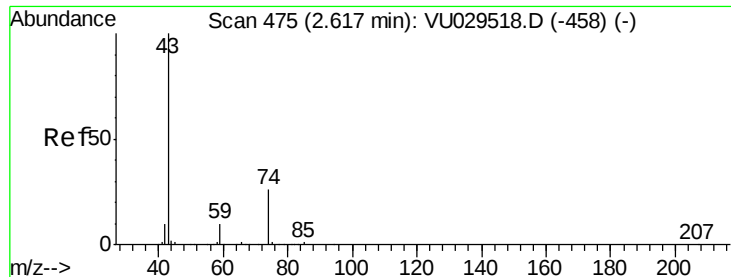
58 33.3 0.0 65.0



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0





#15

Methyl Acetate

Concen: 0.720 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.17 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

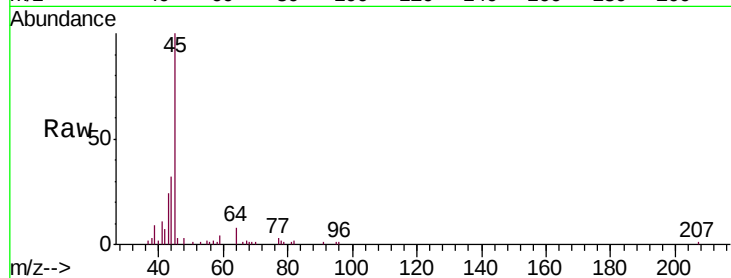
C0AL4

Tgt Ion: 43 Resp: 5159

Ion Ratio Lower Upper

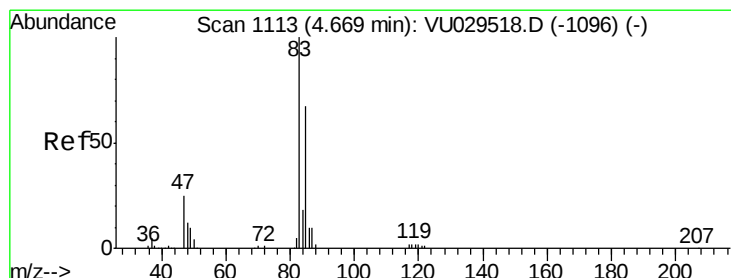
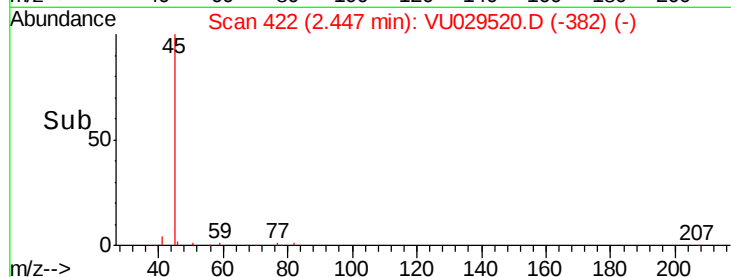
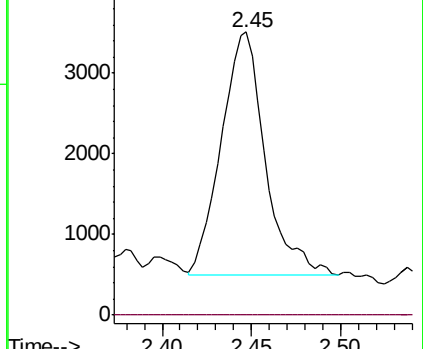
43 100

74 0.8 22.3 33.5#



Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 74.05 (73.75 to 74.75): VU0



#25

Chloroform

Concen: 0.155 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. -0.00 min

Lab File: VU029520.D

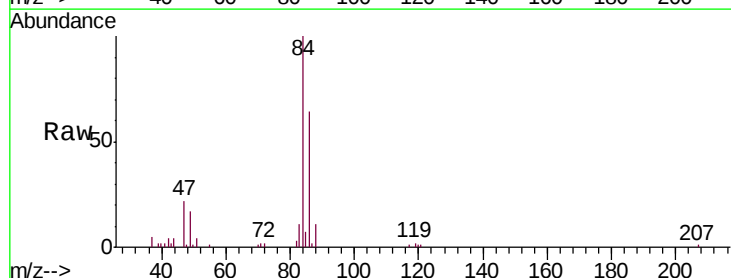
Acq: 18 Feb 2019 10:50

Tgt Ion: 83 Resp: 4509

Ion Ratio Lower Upper

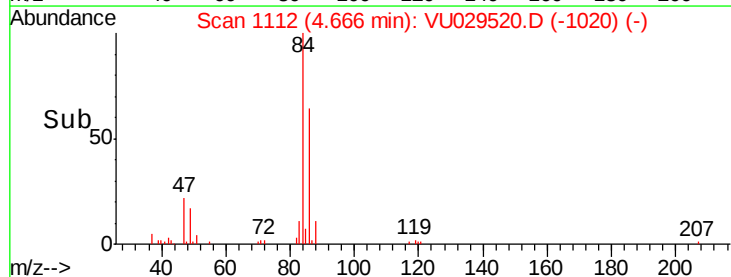
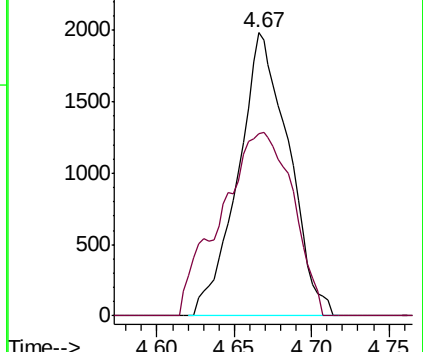
83 100

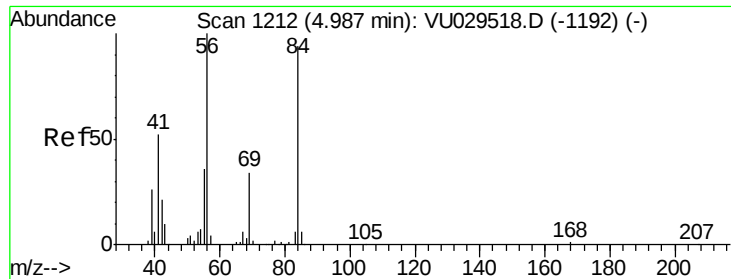
85 64.2 47.8 88.8



Abundance Ion 83.05 (82.75 to 83.75): VU0

Ion 85.00 (84.70 to 85.70): VU0

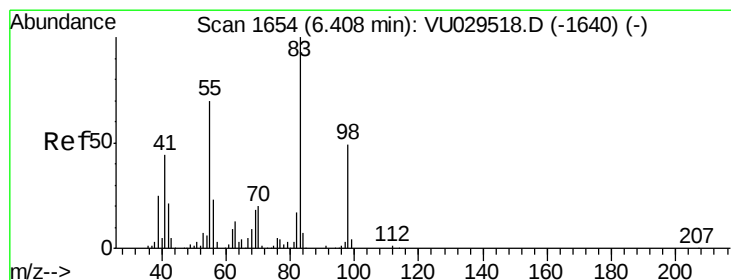
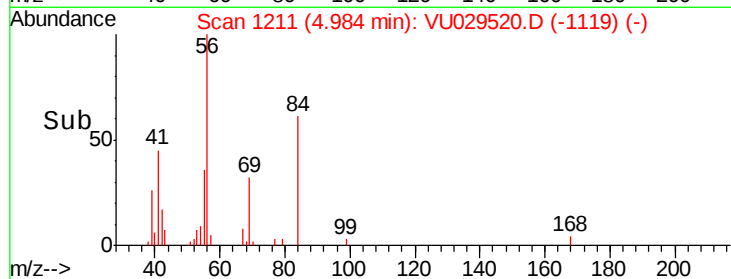
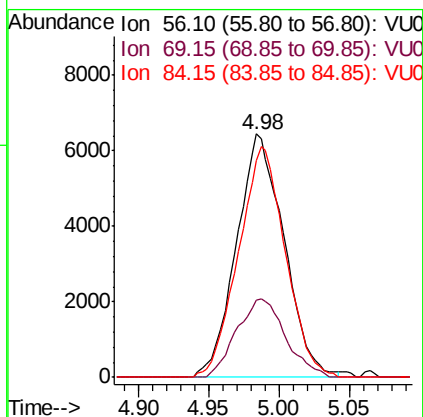
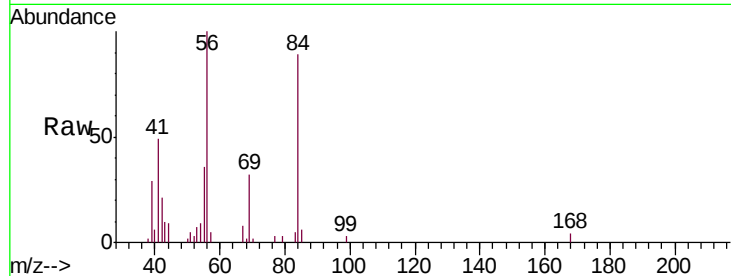




#30
Cyclohexane
Concen: 0.605 ug/L
RT: 4.98 min Scan# 1211
Delta R.T. -0.00 min
Lab File: VU029520.D
Acq: 18 Feb 2019 10:50

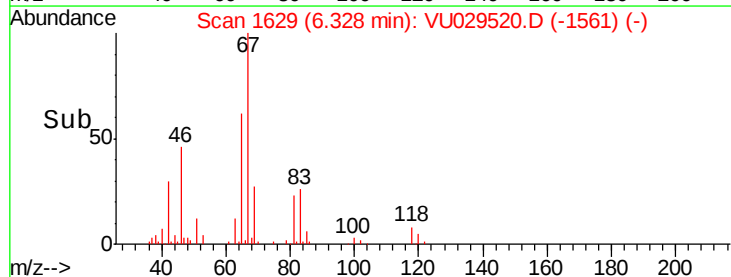
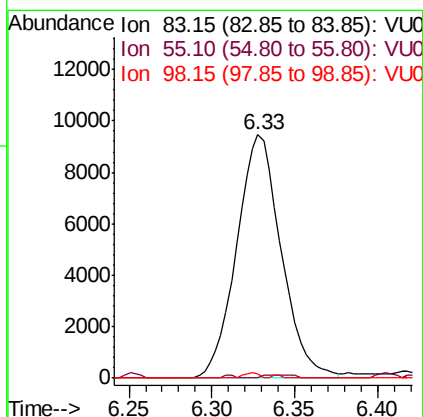
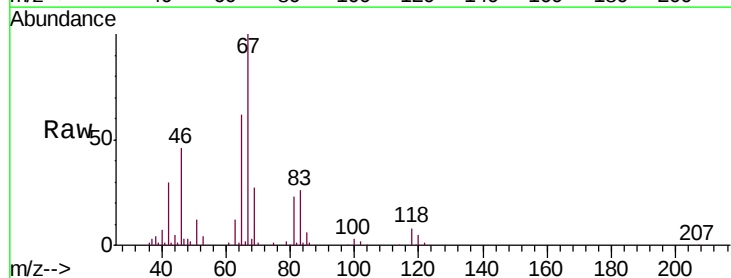
Instrument :
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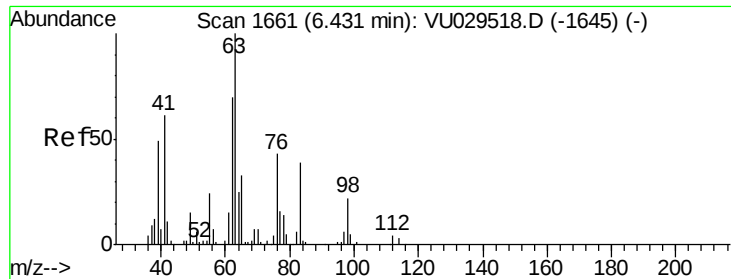
Tgt Ion: 56 Resp: 15189
Ion Ratio Lower Upper
56 100
69 33.1 25.8 38.6
84 93.2 75.0 112.6



#35
Methylcyclohexane
Concen: 0.600 ug/L
RT: 6.33 min Scan# 1629
Delta R.T. -0.08 min
Lab File: VU029520.D
Acq: 18 Feb 2019 10:50

Tgt Ion: 83 Resp: 17706
Ion Ratio Lower Upper
83 100
55 0.2 55.9 83.9#
98 0.8 38.6 57.8#





#37

1,2-Dichloropropane

Concen: 0.513 ug/L

RT: 6.33 min Scan# 1629

Delta R.T. -0.10 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampleId :

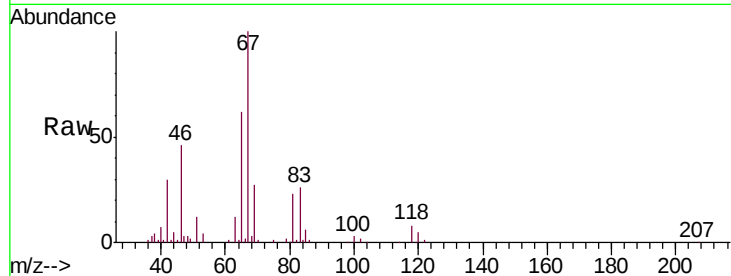
C0AL4

Tgt Ion: 63 Resp: 8015

Ion Ratio Lower Upper

63 100

112 0.0 3.5 5.3#

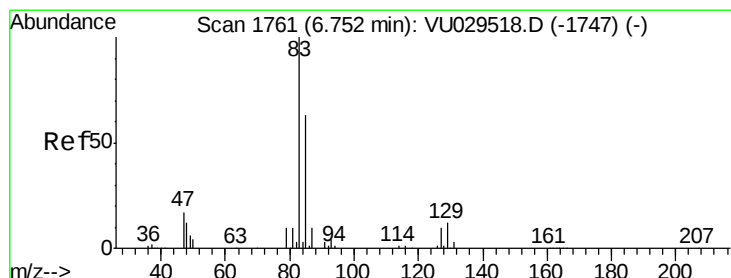
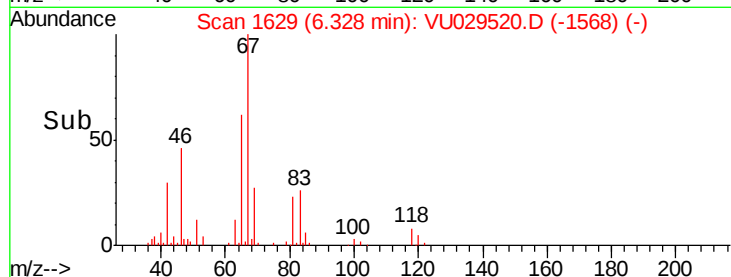


Abundance Ion 63.10 (62.80 to 63.80): VU0

Ion 112.10 (111.80 to 112.80): V

6.33

Time--> 6.25 6.30 6.35 6.40



#38

Bromodichloromethane

Concen: 0.112 ug/L

RT: 6.78 min Scan# 1770

Delta R.T. 0.03 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

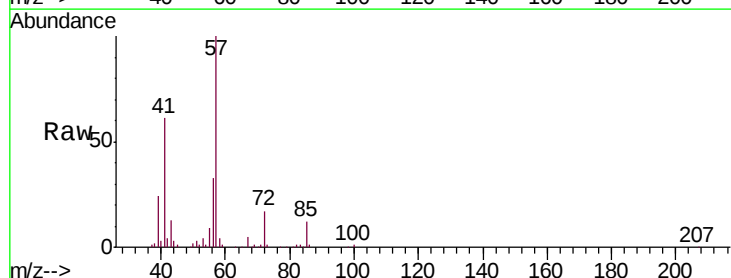
Tgt Ion: 83 Resp: 2311

Ion Ratio Lower Upper

83 100

85 904.0 45.1 83.7#

127 0.0 7.8 11.8#



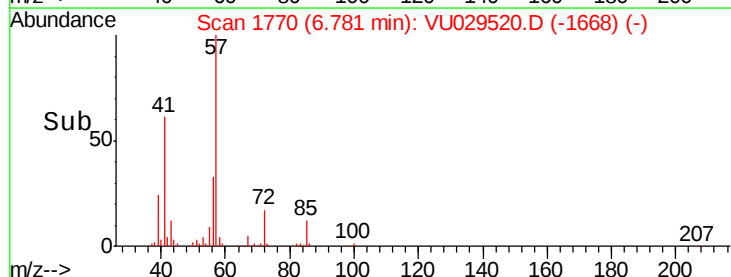
Abundance Ion 82.95 (82.65 to 83.65): VU0

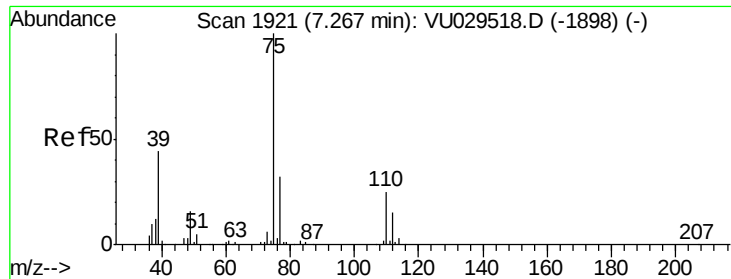
Ion 85.00 (84.70 to 85.70): VU0

Ion 126.90 (126.60 to 127.60): V

6.78

Time--> 6.70 6.75 6.80 6.85





#39

cis-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.23 min Scan# 1909

Delta R.T. -0.04 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Instrument :

MSVOA_U

ClientSampled :

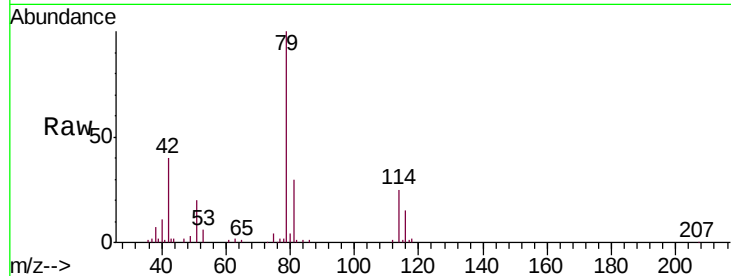
C0AL4

Tgt Ion: 75 Resp: 2318

Ion Ratio Lower Upper

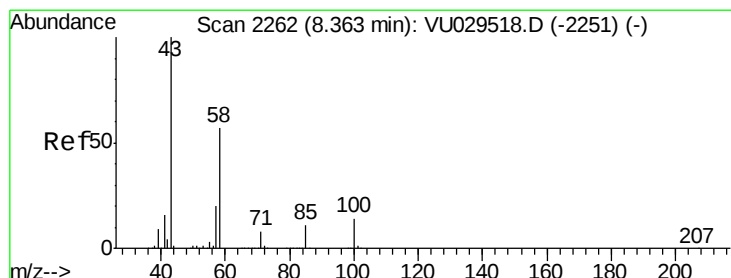
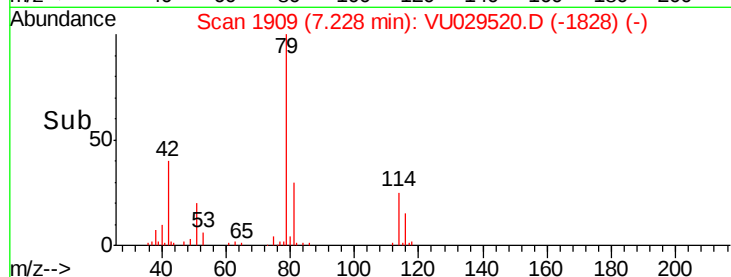
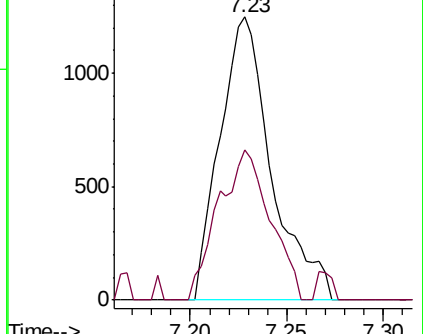
75 100

77 53.1 22.3 41.3#



Abundance Ion 75.05 (74.75 to 75.75): VU0

Ion 77.05 (76.75 to 77.75): VU0



#48

2-Hexanone

Concen: 0.603 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. 0.01 min

Lab File: VU029520.D

Acq: 18 Feb 2019 10:50

Tgt Ion: 43 Resp: 3958

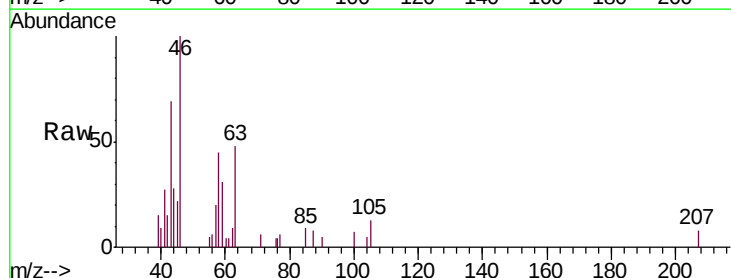
Ion Ratio Lower Upper

43 100

58 75.6 45.7 68.5#

57 14.8 16.4 24.6#

100 11.5 11.1 16.7

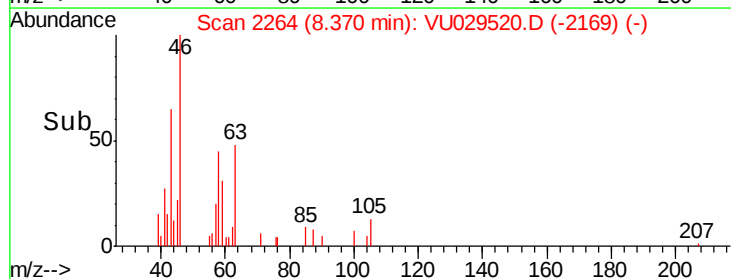
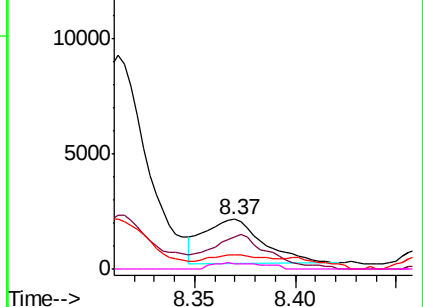


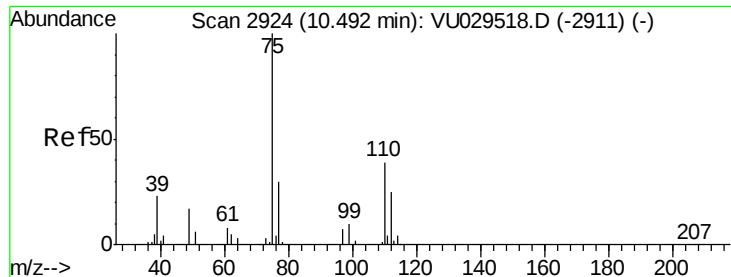
Abundance Ion 43.05 (42.75 to 43.75): VU0

Ion 58.05 (57.75 to 58.75): VU0

Ion 57.20 (56.90 to 57.90): VU0

Ion 100.15 (99.85 to 100.85): VU0

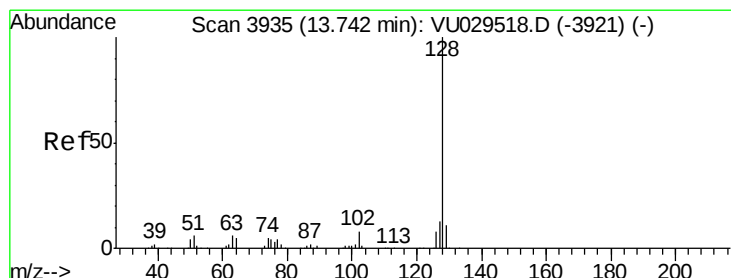
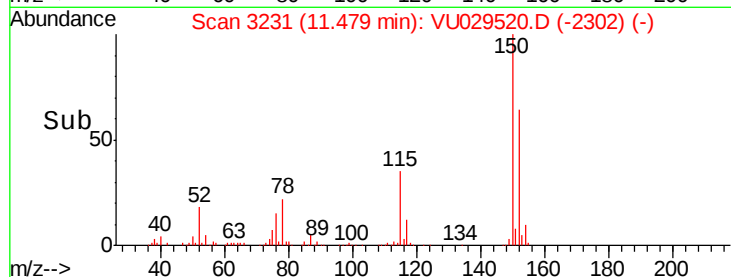
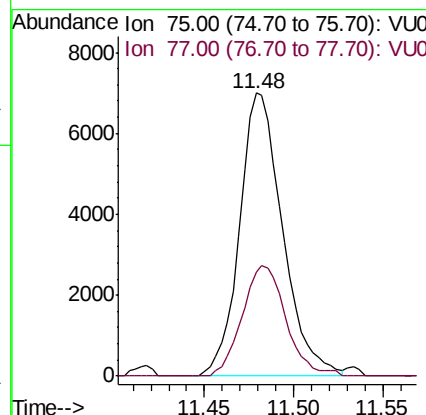
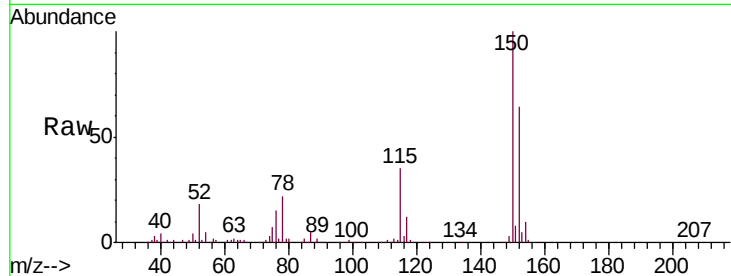




#59
 1,2,3-Trichloropropane
 Concen: 1.174 ug/L
 RT: 11.48 min Scan# 3231
 Delta R.T. 0.99 min
 Lab File: VU029520.D
 Acq: 18 Feb 2019 10:50

Instrument :
 MSVOA_U
 ClientSampleId :
 C0AL4

Tgt Ion: 75 Resp: 11769
 Ion Ratio Lower Upper
 75 100
 77 39.7 28.2 42.2



#69
 Naphthalene
 Concen: 0.066 ug/L
 RT: 13.75 min Scan# 3937
 Delta R.T. 0.01 min
 Lab File: VU029520.D
 Acq: 18 Feb 2019 10:50

Tgt Ion: 128 Resp: 3143
 Ion Ratio Lower Upper
 128 100
 129 2.7 8.7 13.1#
 127 1.3 10.3 15.5#

